Priya Verma

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Education

VIT Bhopal University — **Bhopal, Madhya Pradesh**
BTech ECE (AI and Cybernetics) — Expected June 2026
Cumulative GPA**: 8.87/10**

12th Standard
Govt. Girls Higher Secondary school — **Jaithari, Madhya Pradesh**
MPBSE — Cumulative percentage: **92.6%** — May 2022

10th Standard
Govt. Girls Higher Secondary school — **Jaithari, Madhya Pradesh**
MPBSE — Cumulative percentage: **96%** — May 2020

Technical Skills and Tools

Technical Skills: C/C++, Excel/PPT, Arduino, Product & System Understanding, Requirement Analysis & Documentation.

Projects

Sign Language to speech conversion System — **Feb 2024 - May 2024**

- Developed a **low-cost assistive technology solution** by translating user gestures into speech, focusing on **usability, system feasibility, and real-time performance Gained experience in solution design, requirement understanding, and user-focused product thinking.**
- Implemented sensor acquisition, ADC sampling, and C/C++ processing for gesture detection and event handling.
- Technology: Arduino, Embedded C/C++, ADC, GPIO, Debugging.
- Role: Product & Solution Development Contributor.
- Link: https://github.com/priyaverma05/Sign-Language-to-speech-convergence.git

Home Automation System — **Jan 2025 – Apr 2025**

- Developed a **smart automation solution** focused on **energy efficiency, real-time monitoring, and operational optimization**. The system supported **remote control and data-driven environmental adjustment**, improving efficiency and reliability.
  optimal conditions based on sensor data. It also allows remote control of appliances.
- Technologies: ESP32, Embedded C/C++, Debugging.
- Role: Product & Operations Solution Contributor.
- Link: https://github.com/priyaverma05/Home-Automation.git

The Rider's co-pilot: An intelligent assistant for smarter riding — **Aug 2025 - Ongoing**

- Analyzed risk scenarios and safety conditions, implementing automated decision logic to reduce operational and user risk.
- Integrated IR sensors, MQ-3 alcohol sensor, communication modules, implementing real-time decision logic in Embedded C.
- Technology: Arduino, Embedded C, OpenCV, RF Communication, IR Sensor, MQ-3, GPIO, Relay Control Circuits.
- Role: Risk Analysis & Decision Logic Contributor.
- Link: https://github.com/priyaverma05/The-Rider-s-co-pilot-An-intelligent-assistant-for-smarter-riding.git

Experience

Embedded system design intern – Maven Silicon — **Jan 2025-Apr 2025**

- Worked on **end-to-end solution development**, from understanding requirements to implementation and testing. Collaborated with mentors to ensure **timely delivery, system reliability, and operational feasibility**. Gained exposure to **cross-functional coordination and structured problem solving**.
- Link: https://drive.google.com/file/d/1xB6gNdnCX6ZPCLdEzL2APt73IzATJrYd/view?usp=sharing

Extracurricular Activities

- Volunteered at the **ANRF-sponsored National Symposium on Innovations in Intelligent Systems** in **February 2024 and 2025**.
- Worked as a team member in the ROBOX event at AdVITya 24.

Achievements

- Awarded the STARS Scholarship by VIT Bhopal University (2022).
- Received ₹25,000 grant under Laptop Yojna (Madhya Pradesh Government) for academic excellence (2022).
- Awarded the INSPIRE Scholarship by the Government of India, offering ₹4,00,000 support for higher education in science and technology (2022).

Certifications & Training

- Embedded System Design Certification (Maven Silicon 2025).

Additional Information

Languages: Hindi, English
Hobbies: Photography, social activities.